

STIC-EIC1600/2900

326712

From: STIC-EIC1600/2900@uspto.gov
 Sent: Tuesday, March 30, 2010 8:58 AM
 To: Arnold, Ernst
 Cc: STIC-EIC1600/2900
 Subject: Confirmation Receipt: 1600 Search Request - 10/578735

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Requester

Name: ARNOLD, ERNST V <<http://es.uspto.gov/emlocator/runEmployeeQry.do?action=ListEmployeeByEmpNo&empNo=40868>>
 Organization: TC 1600
 Art Unit: 1616
 Employee Number:
 Office Location: REM-4A11
 Phone Number: (571)272-8809
 Email: ernst.arnold@uspto.gov <<mailto:ernst.arnold@uspto.gov>> Subject: 1600 Search Request>

Request Detail

Attachment: 10578735.pdf <file:///\\%*orgshares%*patentsSTIC%*Attachments%*10578735.pdf>

Case/Application number: 10/578735 PALM <http://expoweb1:9081/cgi-bin/expo/GenInfo/enquiry.pl?APPL_ID=10/578735>
 Priority App. Filing Date:
 Format for Search Results: SCORE

Meaning of unusual acronyms or initialisms:

*****	*****	*****
Searcher:	Type of Search	Features/Tools where applicable
Searcher Number:	MA #:	STIC:
Date Searcher Picked up:	IPC:	CLASS:
Date completed:	Searcher's Initials:	QUESTIONS/ISSUES:
Searcher Prep Time:	Plaintiff's #:	LEGAL/RECORDS:
Online Time:	Inventor:	SEQUENCE SYSTEM:
		WWW/INTERNET:
		OTHER (Specify):

ME

INVENTOR SEARCH

=> d ibib abs hitstr l10 1-2

L10 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:470204 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:2630
 TITLE: Safened herbicide ~~emulsifiable~~ concentrates
 INVENTOR(S): Fowler, Jeffrey D.; Haesslin, Angelika; Vogt, Manfred; Weber, Michelle
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005048706	A2	20050602	WO 2004-US38414	20041116
WO 2005048706	A3	20051110		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004291163	A1	20050602	AU 2004-291163	20041116
CA 2545403	A1	20050602	CA 2004-2545403	20041116
CA 2545403	C	20091020		
EP 1684583	A2	20060802	EP 2004-811204	20041116
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
CN 1893823	A	20070110	CN 2004-80037673	20041116
CN 100393204	C	20080611		
BR 2004016669	A	20070213	BR 2004-16669	20041116
JP 2007511537	T	20070510	JP 2006-540008	20041116
MX 2006005480	A	20060811	MX 2006-5480	20060515
IN 2006DN02705	A	20070810	IN 2006-DN2705	20060515
ZA 2006003944	A	20070926	ZA 2006-3944	20060516
US 20080248955	A1	20081009	US 2007-578735	20070518
PRIORITY APPLN. INFO.:			US 2003-520561P	P 20031117
			WO 2004-US38414	W 20041116

OTHER SOURCE(S): MARPAT 143:2630

AB The invention relates to stable ~~emulsifiable~~ concs. comprising an oil adjuvant and at least one member selected from a herbicidal 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivative and a quinoline derivative safener.

IT 126634-39-7

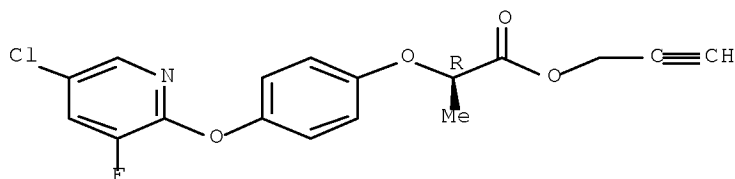
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (safened herbicide ~~emulsifiable~~ concentrate)

RN 126634-39-7 HCAPLUS
 CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)-, mixt. with 1-methylhexyl 2-[(5-chloro-8-quinolinyl)oxy]acetate (CA INDEX NAME)

CM 1

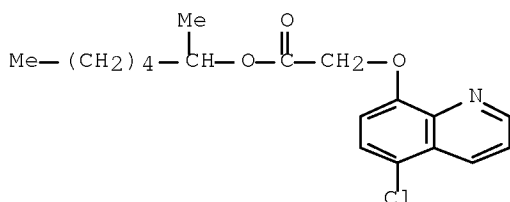
CRN 105512-06-9
 CMF C17 H13 Cl F N O4

Absolute stereochemistry.



CM 2

CRN 99607-70-2
 CMF C18 H22 Cl N O3

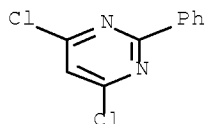


IT 3740-92-9D, Fenclorim, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 37764-25-3D, Dichlormid, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 72850-64-7D, Flurazole, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 74782-23-3D, Oxabetrinil, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 88349-88-6D, Cloquintocet, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 88485-37-4D, Fluxofenim, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 98730-04-2D, Benoxacor, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 99607-70-2D, Cloquintocet-mexyl, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 103112-35-2D, Fenchlorazole-ethyl, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 105512-06-9D, Clodinafop propargyl, mixts. with quinoline derivs.
 121776-33-8D, Furilazole, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.

135590-91-9D, Mefenpyr diethyl, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 135591-00-3D, Mefenpyr, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 163520-33-0D, Isoxadifen-ethyl, mixts. with
 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (safened herbicide emulsifiable concs.)

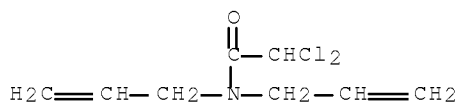
RN 3740-92-9 HCAPLUS

CN Pyrimidine, 4,6-dichloro-2-phenyl- (CA INDEX NAME)



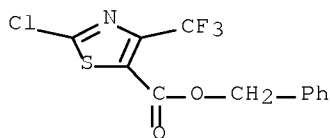
RN 37764-25-3 HCAPLUS

CN Acetamide, 2,2-dichloro-N,N-di-2-propen-1-yl- (CA INDEX NAME)



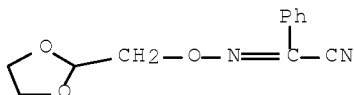
RN 72850-64-7 HCAPLUS

CN 5-Thiazolecarboxylic acid, 2-chloro-4-(trifluoromethyl)-, phenylmethyl ester (CA INDEX NAME)



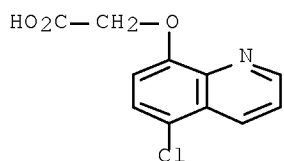
RN 74782-23-3 HCAPLUS

CN Benzeneacetonitrile, α-[(1,3-dioxolan-2-ylmethoxy)imino]- (CA INDEX NAME)



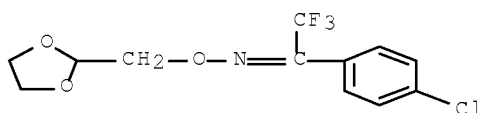
RN 88349-88-6 HCAPLUS

CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]- (CA INDEX NAME)



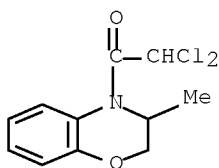
RN 88485-37-4 HCAPLUS

CN Ethanone, 1-(4-chlorophenyl)-2,2,2-trifluoro-,
O-(1,3-dioxolan-2-ylmethyl)oxime (CA INDEX NAME)



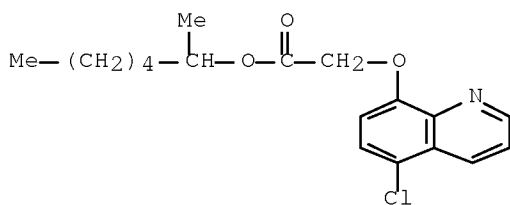
RN 98730-04-2 HCAPLUS

CN Ethanone, 2,2-dichloro-1-(2,3-dihydro-3-methyl-4H-1,4-benzoxazin-4-yl)-
(CA INDEX NAME)



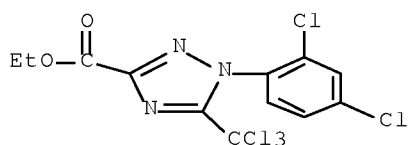
RN 99607-70-2 HCAPLUS

CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA
INDEX NAME)



RN 103112-35-2 HCAPLUS

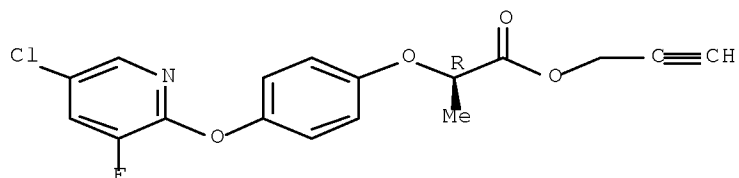
CN 1H-1,2,4-Triazole-3-carboxylic acid,
1-(2,4-dichlorophenyl)-5-(trichloromethyl)-, ethyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS

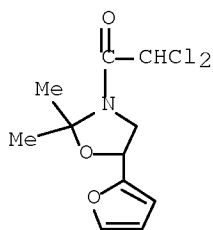
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



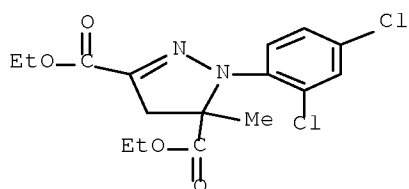
RN 121776-33-8 HCAPLUS

CN Ethanone, 2,2-dichloro-1-[5-(2-fluoro-3-chloropyridin-2-yl)-2,2-dimethyl-3-oxazolidinyl]- (CA INDEX NAME)



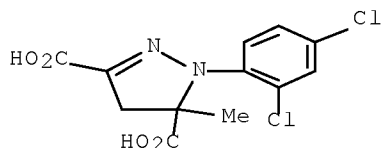
RN 135590-91-9 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, 3,5-diethyl ester (CA INDEX NAME)

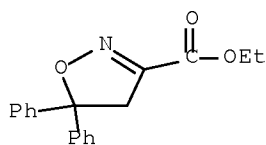


RN 135591-00-3 HCAPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl- (CA INDEX NAME)



RN 163520-33-0 HCAPLUS
 CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester (CA
 INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1995:410397 HCAPLUS Full-text
 DOCUMENT NUMBER: 122:162893
 ORIGINAL REFERENCE NO.: 122:30011a,30014a
 TITLE: Polyurea microcapsules containing pesticides, their
 preparation and use
 INVENTOR(S): Haesslin, Hans Walter
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 611253	A1	19940817	EP 1994-810053	19940201
EP 611253	B1	19981125		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 06238159	A	19940830	JP 1994-9199	19940131
JP 3419871	B2	20030623		
AT 173652	T	19981215	AT 1994-810053	19940201
ES 2123742	T3	19990116	ES 1994-810053	19940201
RU 2126628	C1	19990227	RU 1994-3826	19940204
CA 2115119	A1	19940810	CA 1994-2115119	19940207
CA 2115119	C	20041019		
IL 108570	A	19980104	IL 1994-108570	19940207
CZ 286472	B6	20000412	CZ 1994-253	19940207
ZA 9400839	A	19940809	ZA 1994-839	19940208
AU 9454985	A	19940811	AU 1994-54985	19940208
AU 671331	B2	19960822		

10/578,735

3/30/10

BR 9400463	A	19940927	BR 1994-463	19940208
CN 1093220	A	19941012	CN 1994-101362	19940208
CN 1066069	C	20010523		
HU 68808	A2	19950728	HU 1994-359	19940208
HU 213841	B	19971128		
AU 9671951	A	19970130	AU 1996-71951	19961122

PRIORITY APPLN. INFO.:

US 1993-14972 A 19930209

AB Microcapsules having a capsule wall of polyurea are prepared by interfacial reaction of an aqueous dispersion of a solution of a polyisocyanate in a water-immiscible pesticide and an aqueous solution of a polyamine in the presence of a polymeric nonionic surfactant that contains at least a hydrophobic block and a hydrophilic block. Emulsifying a solution containing Solvesso 10.0, epoxidized soybean oil 7.0, 4,4'-MDI 5.4, and Diazinon 48 g in 71.1 g water containing 1.6 g Synperonic PEF 108, adding 2.2 g HMDA as a 60% aqueous solution, and stirring for 3-4 h gave a capsule suspension having viscosity 50 mPa-s, median particle diameter 15-25 μ m, and active ingredient 315 g/L.

IT 28409-99-6P, 1,6-Hexanediamine-MDI copolymer
161485-59-2P

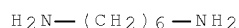
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of polyurea microcapsules containing pesticides)

RN 28409-99-6 HCAPLUS

CN 1,6-Hexanediamine, polymer with 1,1'-methylenebis[4-isocyanatobenzene]
(CA INDEX NAME)

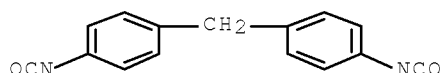
CM 1

CRN 124-09-4
CMF C6 H16 N2



CM 2

CRN 101-68-8
CMF C15 H10 N2 O2

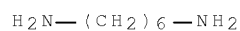


RN 161485-59-2 HCAPLUS

CN 1,2-Propanediol, polymer with 1,6-hexanediamine and
1,1'-methylenebis[4-isocyanatobenzene] (9CI) (CA INDEX NAME)

CM 1

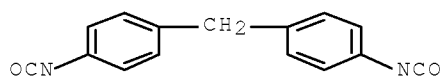
CRN 124-09-4
CMF C6 H16 N2



CM 2

CRN 101-68-8

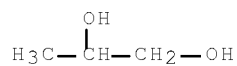
CMF C15 H10 N2 O2



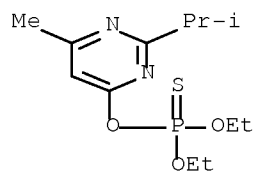
CM 3

CRN 57-55-6

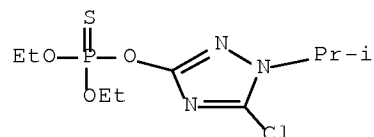
CMF C3 H8 O2



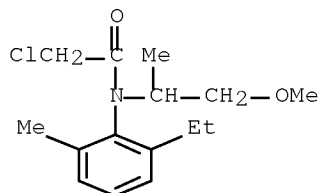
IT 333-41-5, Diazinon 42509-80-8, Isazofos
 51218-45-2, Metolachlor 60207-90-1
 65907-30-4, Furathiocarb 67306-00-7, Fenpropidin
 RL: MSC (Miscellaneous)
 (preparation of polyurea microcapsules containing pesticides)
 RN 333-41-5 HCAPLUS
 CN Phosphorothioic acid, O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (CA INDEX NAME)



RN 42509-80-8 HCAPLUS
 CN Phosphorothioic acid, O-[5-chloro-1-(1-methylethyl)-1H-1,2,4-triazol-3-yl]
 O,O-diethyl ester (CA INDEX NAME)

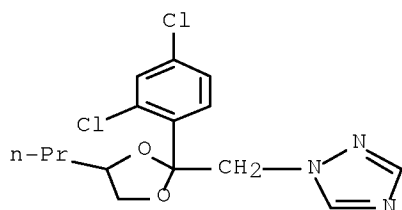


RN 51218-45-2 HCAPLUS

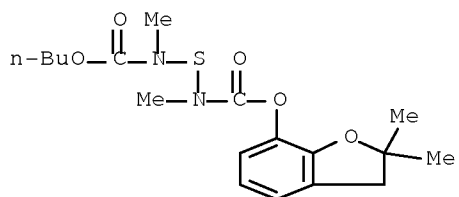
CN Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)-
(CA INDEX NAME)

RN 60207-90-1 HCAPLUS

CN 1H-1,2,4-Triazole, 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]- (CA INDEX NAME)

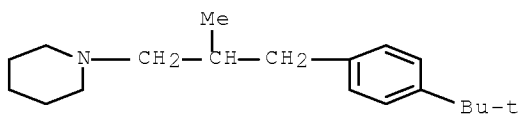


RN 65907-30-4 HCAPLUS

CN 6-Oxa-3-thia-2,4-diazadecanoic acid, 2,4-dimethyl-5-oxo-,
2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (CA INDEX NAME)

RN 67306-00-7 HCAPLUS

CN Piperidine, 1-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]- (CA INDEX NAME)

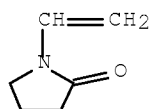


IT 9003-39-8, Antara 430 106392-12-5, Synperonic PEF
 108 110617-70-4, Tetronic 908 112419-44-0,
 Ethylene oxide-methyl methacrylate graft copolymer 116219-49-9
 , Vinyl acetate-vinylpyrrolidone block copolymer 116219-50-2,
 Styrene-N-vinylpyrrolidone block copolymer 156309-06-7
 RL: NUU (Other use, unclassified); USES (Uses)
 (surfactant; preparation of polyurea microcapsules containing pesticides)
 RN 9003-39-8 HCAPLUS
 CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0

CMF C6 H9 N O

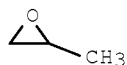


RN 106392-12-5 HCAPLUS
 CN Oxirane, 2-methyl-, polymer with oxirane, block (CA INDEX NAME)

CM 1

CRN 75-56-9

CMF C3 H6 O



CM 2

CRN 75-21-8

CMF C2 H4 O



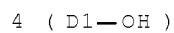
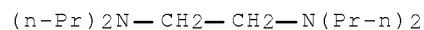
RN 110617-70-4 HCAPLUS
 CN Oxirane, 2-methyl-, polymer with oxirane, ether with
 (1,2-ethanediyldinitrilo)tetrakis[propanol] (4:1), block (CA INDEX NAME)

CM 1

CRN 78524-11-5

CMF C14 H32 N2 O4

CCI IDS



CM 2

CRN 106392-12-5

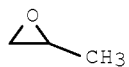
CMF (C3 H6 O . C2 H4 O) x

CCI PMS

CM 3

CRN 75-56-9

CMF C3 H6 O



CM 4

CRN 75-21-8

CMF C2 H4 O



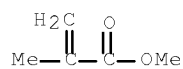
RN 112419-44-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with oxirane, graft
(CA INDEX NAME)

CM 1

CRN 80-62-6

CMF C5 H8 O2



CM 2

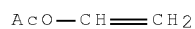
CRN 75-21-8
CMF C2 H4 O



RN 116219-49-9 HCAPLUS
CN Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone, block
(CA INDEX NAME)

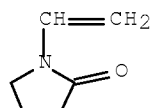
CM 1

CRN 108-05-4
CMF C4 H6 O2



CM 2

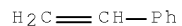
CRN 88-12-0
CMF C6 H9 N O



RN 116219-50-2 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, polymer with ethenylbenzene, block (CA INDEX
NAME)

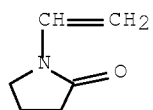
CM 1

CRN 100-42-5
CMF C8 H8

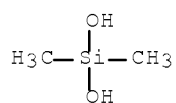


CM 2

CRN 88-12-0
CMF C6 H9 N O



RN 156309-06-7 HCAPLUS
 CN Silanediol, 1,1-dimethyl-, polymer with oxirane, block (CA INDEX NAME)
 CM 1
 CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 2
 CRN 75-21-8
 CMF C2 H4 O



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
 (14 CITINGS)

RESULTS FROM SEARCHES IN REGISTRY, CAPLUS, MEDLINE, BIOSIS, EMBASE, AND DRUGU

=> d que stat l19

L11 1 SEA FILE=REGISTRY ABB=ON 99607-70-2/RN
 L12 1 SEA FILE=REGISTRY ABB=ON 105512-06-9/RN
 L13 225 SEA FILE=HCAPLUS ABB=ON L12
 L14 201 SEA FILE=HCAPLUS ABB=ON L11
 L15 50 SEA FILE=HCAPLUS ABB=ON L13 AND L14
 L16 3 SEA FILE=HCAPLUS ABB=ON L15 AND ?EMULS?
 L17 7 SEA FILE=HCAPLUS ABB=ON L15 AND ?CONCEN?
 L18 9 SEA FILE=HCAPLUS ABB=ON L16 OR L17
 L19 0 SEA L18

=> d ibib abs hitstr l18 1-9

L18 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2009:1544117 HCAPLUS Full-text

DOCUMENT NUMBER: 152:73502

TITLE: Rapid analysis method for determining multiple pesticide residues in fruit and vegetable

INVENTOR(S): Lou, Xishan; Fu, Jian; Gao, Hongliang

PATENT ASSIGNEE(S): Yantai Jieke Inspection Service Co., Ltd., Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 16pp.

CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CN 101598708	A	20091209	CN 2009-10015573	20090519
PRIORITY APPLN. INFO.:			CN 2009-10015573	20090519

AB The title rapid anal. method for determining multiple pesticide residues in fruit and vegetable comprises weighing sample, adding it into a centrifuge tube with anhydrous sodium acetate and anhydrous magnesium sulfate, adding acetic acid acetonitrile solution, vibrating, ultrasonic extracting, centrifuging, placing the extracting solution into a centrifuge tube with mixed filler (such as PSA and graphitized carbon at a weight ratio of 1:1, or graphitized carbon, PSA and C18 at a weight ratio of 1:2:2), vibrating, centrifuging, sucking purified solution, concentrating and evaporating to dryness, diluting to constant volume with mixed solution of acetonitrile and water at a volume ratio of 1:1, and carrying out UPLC/MS/MS. The invention adopts fruit and vegetable as matrix, and employs matrix solid-phase dispersion technique to pretreat sample, so as to realize rapid detection of pesticide residues (including avermectins, aldicarb, cyromazine, etc.) in fruit and vegetable. The invention has the advantages of rapid detection, accurate detection result, high efficiency and low cost.

IT 99607-70-2, Cloquintocet-mexyl 105512-06-9,
Clodinafop-propargyl

RL: ANT (Analyte); ANST (Analytical study)

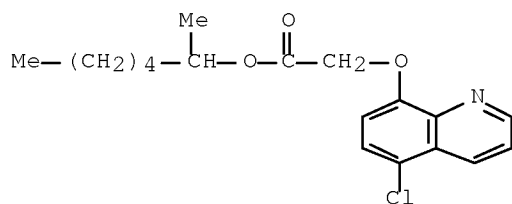
(rapid anal. method for determining multiple pesticide residues in fruit

and

vegetable)

RN 99607-70-2 HCAPLUS

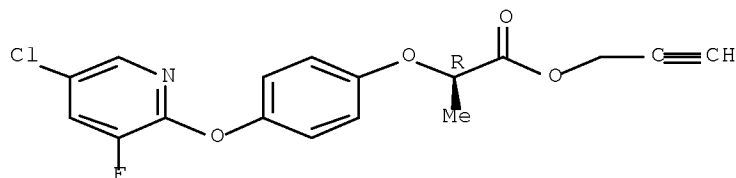
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA
INDEX NAME)



RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L18 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2009:433724 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 151:7026

TITLE: Rapid screening and confirmation of 156 pesticide residues in concentrated fruit and vegetable juices using liquid chromatography-tandem mass spectrometry

AUTHOR(S): Li, Yan; Zheng, Feng; Wang, Minglin; Pang, Guofang
CORPORATE SOURCE: College of Food Science and Engineering, Shandong Agricultural University, Taian, 271018, Peop. Rep. China

SOURCE: Sepu (2009), 27(2), 127-137
CODEN: SEPUER; ISSN: 1000-8713

PUBLISHER: Kexue Chubanshe

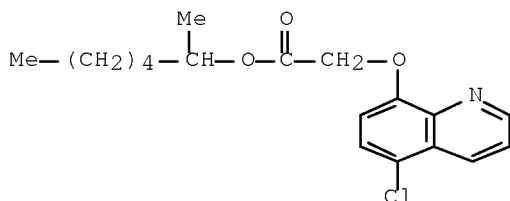
DOCUMENT TYPE: Journal

LANGUAGE: Chinese

AB A multiresidue anal. method was developed for the determination of 156 pesticides in concentrated fruit and vegetable juices using liquid chromatog. coupled with electrospray ionization tandem mass spectrometry (LC-ESI-MS/MS). The pesticide residues were extracted from the samples by acetonitrile containing 1% acetate acid, cleaned-up by a Waters Sep-Pak Vac cartridge, eluted with 25 mL acetonitrile-toluene (3:1, volume/volume) and concentrated with a rotary evaporator. The sample was redissolved in the acetonitrile-water (3:2, volume/volume), then analyzed using LC-MS/MS in multiple reaction monitoring (MRM) mode via pos. electrospray ionization with an Agilent ZORBAX SB-C18 column as the anal. column. The method was validated at two fortification levels in five fruit and vegetable juices, orange, apple, grape, cabbage and carrot juices. The validation results were as follows: The overall recoveries were from 57.2% to 122.7% with the relative standard deviations (RSDs) of 0.9%-19.8%, and the limits of detection (S/N = 3) and the limits of quantification (S/N = 10) were 0.10-56.77 µg/kg and 0.33-189.23

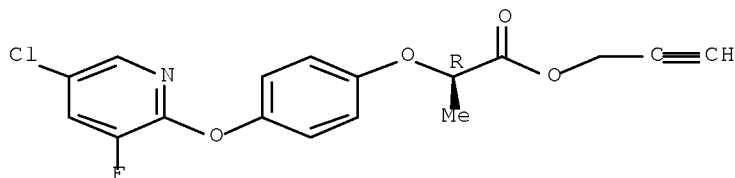
µg/kg, resp. The results demonstrated that this method is simple, rapid and characterized with acceptable sensitivity and accuracy to meet the requirements of the multiple pesticide residue anal. This method is applicable to confirm 156 pesticide residues in the above five juices.

IT 99607-70-2, Cloquintocet mexyl 105512-06-9,
Clodinafop propargyl
RL: AGR (Agricultural use); ANT (Analyte); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(rapid screening and confirmation of 156 pesticide residues in concentrated fruit and vegetable juices using liquid chromatog.-tandem mass spectrometry)
RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

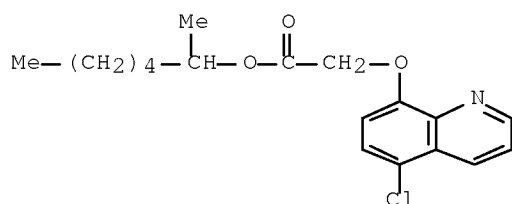
Absolute stereochemistry.



L18 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:798808 HCAPLUS [Full-text](#)
DOCUMENT NUMBER: 145:437387
TITLE: Multi-residue method for the determination of 450 pesticide residues in honey, fruit juice and wine by double-cartridge solid-phase extraction/gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry
AUTHOR(S): Pang, G.-F.; Fan, C.-L.; Liu, Y.-M.; Cao, Y.-Z.; Zhang, J.-J.; Fu, B.-L.; Li, X.-M.; Li, Z.-Y.; Wu, Y.-P.
CORPORATE SOURCE: Qinhuangdao Entry-Exit Inspection and Quarantine Bureau Inspection and Quarantine Technique Centre, Qinhuangdao China Qinhuangdao, 066002, Peop. Rep. China
SOURCE: Food Additives & Contaminants (2006), 23(8), 777-810
CODEN: FACOE; ISSN: 0265-203X

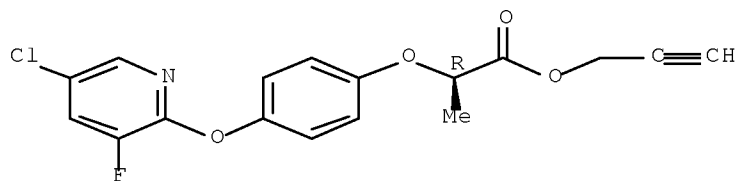
PUBLISHER: Taylor & Francis Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

- AB A multi-residue method was developed for the determination of 450 pesticide residues in honey, fruit juice and wine using double-cartridge solid-phase extraction (SPE), gas chromatog.-mass spectrometry (GC-MS) and liquid chromatog.-tandem mass spectrometry (LC-MS-MS). The method development was based on an appraisal of the characteristics of GC-MS and LC-MS-MS for 654 pesticides as well as the efficiency of extraction and purification from honey, fruit juice and wine. Samples were first diluted with water plus acetone, then extracted with portions of dichloromethane. The exts. were ~~concd~~ and cleaned up with graphitized carbon black and aminopropyl cartridges stacked in tandem. Pesticides were eluted with acetonitrile + toluene, and the eluates were ~~concentrated~~ For 383 pesticides, the eluate was extracted with hexane twice and internal standard solution was added prior to GC-MS determination For 67 pesticides, extraction was with methanol prior to LC-MS-MS determination The limit of detection for the method was between 1.0 and 300 ng g⁻¹ depending on each pesticide analyte. At the three fortification levels of 2.0-3000 ng g⁻¹, the average recovery rates were between 59 and 123%, among which 413 pesticides (92% of the 450) had recovery rates of 70-120% and 35 pesticides (8% of the 450) had recovery rates of 59-70%. There were 437 pesticides (97% of the 450) with a relative standard deviation below 25%; there were 13 varieties (3% of the 450) between 25.0 and 30.4%.
- IT 99607-70-2, Cloquintocet-mexyl 105512-06-9,
 Clodinafop-propargyl
 RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU
 (Occurrence)
 (determination of pesticide residues in honey, fruit juice and wine)
- RN 99607-70-2 HCAPLUS
- CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



- RN 105512-06-9 HCAPLUS
- CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS
RECORD (16 CITINGS)
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:769444 HCAPLUS Full-text

DOCUMENT NUMBER: 145:355141

TITLE: Validation study on 660 pesticide residues in animal
tissues by gel permeation chromatography cleanup/gas
chromatography-mass spectrometry and liquid
chromatography-tandem mass spectrometry

AUTHOR(S): Pang, Guo-Fang; Cao, Yan-Zhong; Zhang, Jin-Jie; Fan,
Chun-Lin; Liu, Yong-Ming; Li, Xue-Min; Jia, Guang-Qun;
Li, Zeng-Yin; Shi, Yu-Qiu; Wu, Yan-Ping; Guo,
Tong-Tong

CORPORATE SOURCE: Qinhuangdao Entry-Exit Inspection and Quarantine
Bureau, Hebei PC, PC 066002, Peop. Rep. China

SOURCE: Journal of Chromatography, A (2006), 1125(1), 1-30
CODEN: JCRAEY; ISSN: 0021-9673

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A new method using gel permeation chromatog. (GPC) cleanup followed by gas
chromatog.-mass spectrometry (GC-MS) and liquid chromatog.-tandem mass
spectrometry (LC-MS-MS) has been established for quant. determination of 437
pesticide residues in animal tissues such as beef, mutton, pork, chicken, and
rabbit. Based on an appraisal of the characteristics of both GC-MS and LC-MS-
MS, validation expts. were conducted for 660 pesticides. In the method, 10 g
animal samples were mixed with 20 g sodium sulfate and extracted with 35 mL of
cyclohexane + Et acetate (1 + 1) twice by blender homogenization,
centrifugation, and filtration. Evaporation was conducted and an equivalent
of 5 g sample was injected into a 400 mm + 25 mm S-X3 GPC column, with
cyclohexane + Et acetate (1 + 1) as the mobile phase at a flow rate of 5
mL/min. The 22-40 min fraction was collected for subsequent anal. For the
368 pesticides determined by GC-MS, the portions collected from GPC were
concentrated to 0.5 mL and exchanged with 5 mL hexane twice. For the 69
pesticides by LC-MS-MS, the portions collected from GPC were dissolved with
acetonitrile + water (60 + 40) after taking the extract to dryness with
nitrogen gas. In the linear range of each pesticide, the correlation
coefficient was $r \geq 0.98$, exceptions being dinobuton, linuron, and fenamiphos
sulfoxide. At the low, medium and high three fortification levels of 0.2-4800
 $\mu\text{g/kg}$, recoveries fell within 40-120%, among which 417 pesticides recoveries
between 60% and 120%, accounting for 95%, 20 analytes between 40% and 60%,
accounting for 5%. The relative standard deviation was below 28% for all 437
pesticides. The limits of detection for the method were 0.2-600 $\mu\text{g/kg}$,
depending on each pesticide.

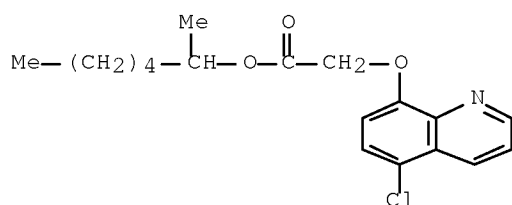
IT ~~99607-70-2~~, Cloquintocetmexyl ~~105512-06-9~~,
Clodinafoppropargyl

RL: ANT (Analyte); ANST (Analytical study)

(determination of pesticides in animal tissues by gel permeation chromatog.
cleanup/gas chromatog.-mass spectrometry and liquid chromatog.-tandem
mass spectrometry)

RN 99607-70-2 HCAPLUS

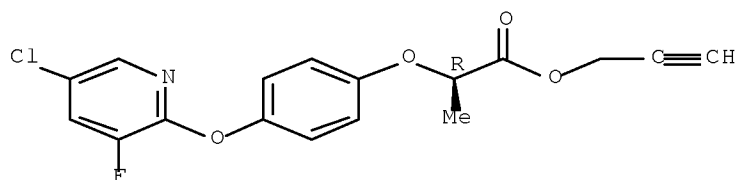
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA
INDEX NAME)



RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:560057 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 145:247720

TITLE: Determination of residues of 446 pesticides in fruits and vegetables by three-cartridge solid-phase extraction-gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry

AUTHOR(S): Pang, Guo-Fang; Fan, Chun-Lin; Liu, Yong-Ming; Cao, Yan-Zhong; Zhang, Jin-Jie; Li, Xue-Min; Li, Zeng-Yin; Wu, Yan-Ping; Guo, Tong-Tong

CORPORATE SOURCE: Qinhuangdao Entry-Exit Inspection and Quarantine Bureau, Qinhuangdao, Hebei, 066002, Peop. Rep. China

SOURCE: Journal of AOAC International (2006), 89(3), 740-771
CODEN: JAINEE; ISSN: 1060-3271

PUBLISHER: AOAC International

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A method was developed for determination of residues of 446 pesticides in fruits and vegetables through the use of cleanup by a 3-cartridge solid-phase extraction-gas chromatog./mass spectrometry (GC/MS) and liquid chromatog./tandem mass spectrometry (LC/MS/MS). Fruit and vegetable samples (20 g) were extracted with 40 mL acetonitrile, salted out, and centrifuged. Half of the supernatant was passed into an Envi-18 cartridge, eluted with acetonitrile, and cleaned up with Envi-Carb and aminopropyl Sep-Pak cartridges in series after concentration of the eluates. Pesticides were eluted with acetonitrile-toluene (3 + 1, volume/volume), and eluates were concentrated to 0.5 mL and then added into internal stds. after solvent exchange with 2 mL hexane and used for determination of 383 pesticides by GC/MS. The other half of the supernatant was concentrated to 1 mL and cleaned up with vegetable and

aminopropyl Sep-Pak cartridges in series. Pesticides were eluted with acetonitrile-toluene (3 + 1, volume/volume), and the eluates were concentrated to 0.5 mL, dried with nitrogen gas, diluted to 1.0 mL with acetonitrile-water (3 + 2, volume/volume), and used for determination of 63 pesticides by LC/MS/MS. The limit of detection for the method was 0.2-600 ng/g depending on the individual pesticide. In the method, fortification recovery tests at high, medium, and low levels were conducted on 6 varieties of fruits and vegetables, i.e., apples, oranges, grapes, cabbage, tomatoes, and celery, with average recoveries falling within the range of 55.0-133.8% for 446 pesticides, among which average recoveries between 60.0-120.0% accounted for 99% of the results. The relative standard deviation was between 2.1-39.1%, of which a relative standard deviation of 2.1-25.0% made up 96% of the results. Expts. proved that the method was applicable for determination of residues of 446 pesticides in fruit and vegetables.

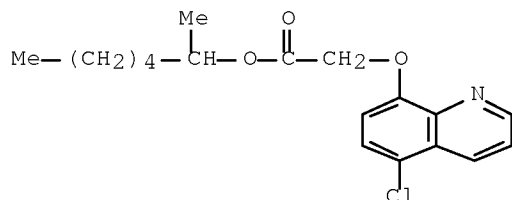
IT 99607-70-2, Cloquintocet-mexyl 105512-06-9,
Clodinafop-propargyl

RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU
(Occurrence)

(pesticides in fruits and vegetable determined by 3-cartridge solid-phase extraction and GC-MS and LC-MS-MS)

RN 99607-70-2 HCAPLUS

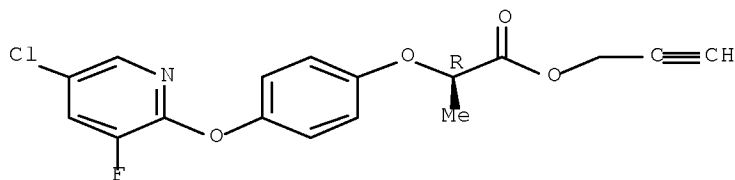
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA
INDEX NAME)



RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS
RECORD (22 CITINGS)

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:470204 HCAPLUS [Full-text](#)
DOCUMENT NUMBER: 143:2630
TITLE: Safened herbicide emulsifiable

concentrates
 INVENTOR(S): Fowler, Jeffrey D.; Haesslin, Angelika; Vogt, Manfred; Weber, Michelle
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005048706	A2	20050602	WO 2004-US38414	20041116
WO 2005048706	A3	20051110		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004291163	A1	20050602	AU 2004-291163	20041116
CA 2545403	A1	20050602	CA 2004-2545403	20041116
CA 2545403	C	20091020		
EP 1684583	A2	20060802	EP 2004-811204	20041116
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
CN 1893823	A	20070110	CN 2004-80037673	20041116
CN 100393204	C	20080611		
BR 2004016669	A	20070213	BR 2004-16669	20041116
JP 2007511537	T	20070510	JP 2006-540008	20041116
MX 2006005480	A	20060811	MX 2006-5480	20060515
IN 2006DN2705	A	20070810	IN 2006-DN2705	20060515
ZA 2006003944	A	20070926	ZA 2006-3944	20060516
US 20080248955	A1	20081009	US 2007-578735	20070518
PRIORITY APPLN. INFO.:			US 2003-520561P	P 20031117
			WO 2004-US38414	W 20041116

OTHER SOURCE(S): MARPAT 143:2630

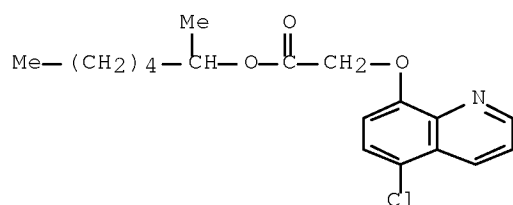
AB The invention relates to stable ~~emulsifiable~~ concs. comprising an oil adjuvant and at least one member selected from a herbicidal 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivative and a quinoline derivative safener.

IT ~~99607-70-2D~~, Cloquintocet-mexyl, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs. ~~105512-06-9D~~, Clodinafop propargyl, mixts. with quinoline derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (safened herbicide ~~emulsifiable~~ concs.)

RN 99607-70-2 HCAPLUS

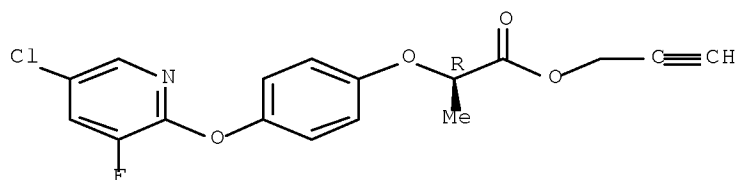
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:141200 HCAPLUS Full-text

DOCUMENT NUMBER: 142:254568

TITLE: Methods and compositions for increasing the efficacy of biologically-active ingredients such as antitumor agents

INVENTOR(S): Windsor, J. Brian; Roux, Stan J.; Lloyd, Alan M.; Thomas, Collin E.

PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA

SOURCE: PCT Int. Appl., 243 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014777	A2	20050217	WO 2003-US32667	20031016
WO 2005014777	A3	20050915		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,

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3/30/10

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2502148 A1 20050217 CA 2003-2502148 20031016
 AU 2003304398 A1 20050225 AU 2003-304398 20031016
 EP 1576150 A2 20050921 EP 2003-816736 20031016
 EP 1576150 A3 20051102

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 20060276339 A1 20061207 US 2006-531744 20060123

PRIORITY APPLN. INFO.:

US 2002-418803P P 20021016

WO 2003-US32667 W 20031016

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention provides methods and compns. for modulating the sensitivity of cells to cytotoxic compds. and other active agents. In accordance with the invention, compns. are provided comprising combinations of ectophosphatase inhibitors and active agents. Active agents include antibiotics, fungicides, herbicides, insecticides, chemotherapeutic agents, and plant growth regulators. By increasing the efficacy of active agents, the invention allows use of compns. with lowered concns. of active ingredients.

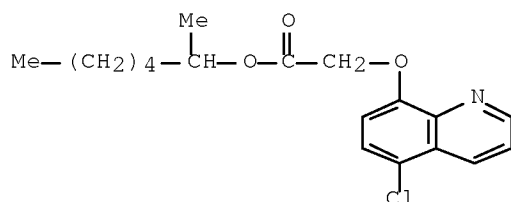
IT 99607-70-2 105512-06-9

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(methods and compns. for increasing efficacy of biol. active ingredients such as antitumor agents)

RN 99607-70-2 HCAPLUS

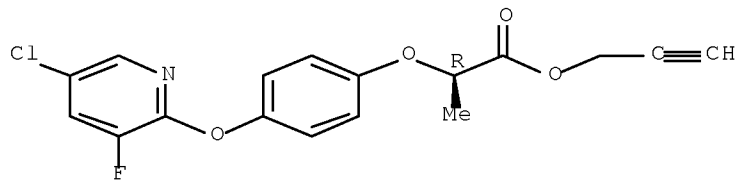
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

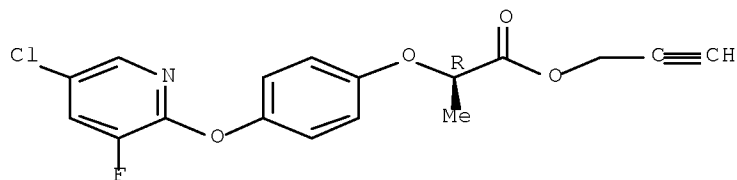
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

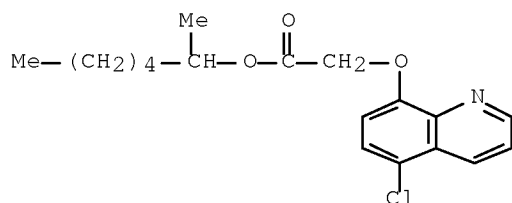
ACCESSION NUMBER: 2002:675751 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:197002
 TITLE: Herbicidal aqueous ~~emulsion~~ composition
 containing clodinafop-propargyl and cloquintocet-mexyl
 INVENTOR(S): Haesslin, Hans Walter; Torrent, Marlene; Schlatter,
 Christian
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002067682	A1	20020906	WO 2002-EP1963	20020225
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2435742	A1	20020906	CA 2002-2435742	20020225
AU 2002253066	A1	20020912	AU 2002-253066	20020225
AU 2002253066	B2	20051013		
EP 1363495	A1	20031126	EP 2002-722133	20020225
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
HU 2003003245	A2	20040128	HU 2003-3245	20020225
HU 2003003245	A3	20070730		
BR 2002007615	A	20040309	BR 2002-7615	20020225
JP 2004523549	T	20040805	JP 2002-567064	20020225
CN 1604739	A	20050406	CN 2002-805540	20020225
CN 1324961	C	20070711		
RU 2276844	C2	20060527	RU 2003-127389	20020225
ZA 2003005517	A	20040928	ZA 2003-5517	20030717
US 20040082476	A1	20040429	US 2003-468548	20030820
US 6849575	B2	20050201		
MX 2003007539	A	20031204	MX 2003-7539	20030821
IN 2003CN01330	A	20051125	IN 2003-CN1330	20030825
PRIORITY APPLN. INFO.:			CH 2001-348	A 20010226
			WO 2002-EP1963	W 20020225
AB	A herbicidal composition in the form of an aqueous emulsion which comprises, as organic phase, a solution of a herbicidally effective amount of clodinafop-propargyl and the cloquintocet-mexyl safener in a hydrophobic solvent and a substantially water-insol. and hydrolysis-stable oil phase stabilizer, and, as aqueous phase, a solution of a pH buffer and at least one surface-active compound and/or dispersing agent in water.			
IT	105512-06-9, Clodinafop-propargyl			
	RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)			
	(herbicidal aqueous emulsion composition containing)			
RN	105512-06-9 HCAPLUS			
CN	Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)			

Absolute stereochemistry.



IT 99607-70-2, Cloquintocet-mexyl
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (safener in herbicidal aqueous emulsion composition containing clodinafop-propargyl)
 RN 99607-70-2 HCAPLUS
 CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:353429 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 136:351648

TITLE: Agrochemical herbicidal compositions containing a quinoline safener

INVENTOR(S): Haesslin, Hans Walter; Blatter, Fritz

PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002036566	A1	20020510	WO 2001-EP12482	20011029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

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CA 2425023	A1	20020510	CA 2001-2425023	20011029
AU 2002021774	A	20020515	AU 2002-21774	20011029
EP 1330438	A1	20030730	EP 2001-992701	20011029
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
TR 200300551	T2	20030922	TR 2003-551	20011029
HU 2003001593	A2	20031028	HU 2003-1593	20011029
HU 2003001593	A3	20041129		
BR 2001015026	A	20031223	BR 2001-15026	20011029
JP 2004513115	T	20040430	JP 2002-539326	20011029
ZA 2003002583	A	20040428	ZA 2003-2583	20030402
MX 2003003747	A	20030728	MX 2003-3747	20030428
IN 2003CN00635	A	20050415	IN 2003-CN635	20030428
US 20040038824	A1	20040226	US 2003-415565	20030430

PRIORITY APPLN. INFO.:

CH 2000-2135	A	20001101
WO 2001-EP12482	W	20011029

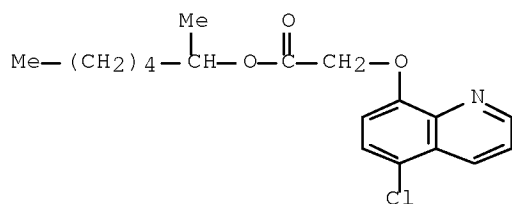
AB Agrochem. composition in the form of a suspension ~~concentrate~~, comprises, in addition to further customary formulation auxiliaries, a surface-active compound and a quinoline derivative [(5-chloro-8-quinolinyl)oxy]-acetic acid 1-methylhexyl ester n-hydrate (n = 2-6) as a safener.

IT ~~99607-70-2~~

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicidal compns. containing quinoline safener)

RN 99607-70-2 HCAPLUS

CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)

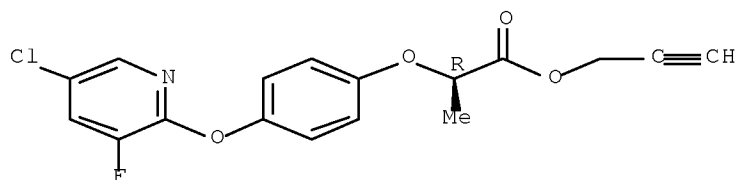
IT ~~105512-06-9~~

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicide in agrochem. compns. containing quinoline safener)

RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

10/578,735

3/30/10

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

SEARCH HISTORY

=> d his ful

(FILE 'HOME' ENTERED AT 15:55:53 ON 30 MAR 2010)

FILE 'HCAPLUS' ENTERED AT 15:56:01 ON 30 MAR 2010

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E FOWLER JEFFREY DAVID/AU
L1      7 SEA ABB=ON  ("FOWLER JEFFREY D"/AU OR "FOWLER JEFFREY DAVID"/AU
      )
      E HAESSLIN HANS WALTER/AU
L2      25 SEA ABB=ON  ("HAESSLIN H W"/AU OR "HAESSLIN HANS W"/AU OR
      "HAESSLIN HANS WALTER"/AU)
      E HAESSLIN ANGELIKA/AU
L3      1 SEA ABB=ON  "HAESSLIN ANGELIKA"/AU
      E HAESSLIN ANDREAS/AU
      E VOGT MANFRED/AU
L4      17 SEA ABB=ON  "VOGT MANFRED"/AU
      E WEBER MICHELLE/AU
L5      14 SEA ABB=ON  ("WEBER MICHELLE"/AU OR "WEBER MICHELLE E"/AU OR
      "WEBER MICHELLE ELIZABETH"/AU)
L6      0 SEA ABB=ON  L1 AND L2 AND L3 AND L4 AND L5
L7      61 SEA ABB=ON  L1 OR L2 OR L3 OR L4 OR L5
L8      3 SEA ABB=ON  L7 AND ?EMULSIF?
      SELECT RN L8 1-3

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FILE 'REGISTRY' ENTERED AT 15:58:15 ON 30 MAR 2010

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L9      30 SEA ABB=ON  (103112-35-2/BI OR 105512-06-9/BI OR 106392-12-5/BI
      OR 110617-70-4/BI OR 112419-44-0/BI OR 116219-49-9/BI OR
      116219-50-2/BI OR 121776-33-8/BI OR 126634-39-7/BI OR 135590-91
      -9/BI OR 135591-00-3/BI OR 156309-06-7/BI OR 161485-59-2/BI OR
      163520-33-0/BI OR 28409-99-6/BI OR 333-41-5/BI OR 3740-92-9/BI
      OR 37764-25-3/BI OR 42509-80-8/BI OR 51218-45-2/BI OR 60207-90-
      1/BI OR 65907-30-4/BI OR 67306-00-7/BI OR 72850-64-7/BI OR
      74782-23-3/BI OR 88349-88-6/BI OR 88485-37-4/BI OR 9003-39-8/BI
      OR 98730-04-2/BI OR 99607-70-2/BI)

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FILE 'HCAPLUS' ENTERED AT 15:58:21 ON 30 MAR 2010

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L10     2 SEA ABB=ON  L8 AND L9

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FILE 'REGISTRY' ENTERED AT 15:59:33 ON 30 MAR 2010

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L11     1 SEA ABB=ON  99607-70-2/RN
L12     1 SEA ABB=ON  105512-06-9/RN

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FILE 'HCAPLUS' ENTERED AT 15:59:50 ON 30 MAR 2010

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L13     225 SEA ABB=ON  L12
L14     201 SEA ABB=ON  L11
L15     50 SEA ABB=ON  L13 AND L14
L16     3 SEA ABB=ON  L15 AND ?EMULS?
L17     7 SEA ABB=ON  L15 AND ?CONCEN?
L18     9 SEA ABB=ON  L16 OR L17

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FILE 'MEDLINE, BIOSIS, EMBASE, DRUGU' ENTERED AT 16:01:16 ON 30 MAR 2010

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L19     0 SEA ABB=ON  L18

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FILE HOME

FILE HCAPLUS

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FILE COVERS 1907 - 30 Mar 2010 VOL 152 ISS 14
FILE LAST UPDATED: 29 Mar 2010 (20100329/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAR 2010 HIGHEST RN 1215067-82-5
DICTIONARY FILE UPDATES: 29 MAR 2010 HIGHEST RN 1215067-82-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE MEDLINE

FILE LAST UPDATED: 27 Mar 2010 (20100327/UP). FILE COVERS 1949 TO DATE.

MEDLINE and LMEDLINE have been updated with the 2010 Medical Subject Headings (MeSH) vocabulary and tree numbers from the U.S. National Library of Medicine (NLM). Additional information is available at

http://www.nlm.nih.gov/pubs/techbull/nd09/nd09_medline_data_changes_2010.

The Medline file has been reloaded effective January 24, 2010. See HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate

substance identification.

See HELP RANGE before carrying out any RANGE search.

FILE BIOSIS

FILE COVERS 1926 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 24 March 2010 (20100324/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926 through 1968. These records have been re-indexed to match current BIOSIS indexing.

FILE EMBASE

FILE COVERS 1974 TO 30 Mar 2010 (20100330/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

For further assistance, please contact your local helpdesk.

FILE DRUGU

FILE LAST UPDATED: 25 MAR 2010 <20100325/UP>

>>> DERWENT DRUG FILE (SUBSCRIBER) <<<

>>> FILE COVERS 1983 TO DATE <<<

>>> THESAURUS AVAILABLE IN /CT <<<